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Г	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/829,152	04/22/2004	Kazuhisa Okada	0717-0522PUS1	5730
	2292	7590 05/04/2006		EXAMINER	
	BIRCH STEWART KOLASCH & BIRCH PO BOX 747			GARBOWSKI, LEIGH M	
	FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER
				2825	

DATE MAILED: 05/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/829,152	OKADA, KAZUHISA				
Office Action Summary	Examiner	Art Unit				
· 	Leigh Marie Garbowski	2825				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period v Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONET	l. ely filed the mailing date of this communication.				
Status						
1) Responsive to communication(s) filed on 22 Ap	Responsive to communication(s) filed on 22 April 2004					
_	action is non-final.					
3) Since this application is in condition for allowar		secution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-15</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>1-11,14 and 15</u> is/are allowed.	_					
6)⊠ Claim(s) 12 is/are rejected.						
7)⊠ Claim(s) <u>1,11,12 and 15</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9)⊠ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>22 April 2004</u> is/are: a) accepted or b)⊠ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
	1.⊠ Certified copies of the priority documents have been received.					
•	2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list	of the certified copies not receive	d.				
Attachment(s)						
Notice of References Cited (PTO-892)	4) Interview Summary ((PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/22/4,8/19/4.	6) Other:	atent Application (PTO-152)				

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Drawings

Figures 10, 11, 12, 13, 14, 15, 16, 17 should be designated by a legend such as -Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

The abstract of the disclosure is objected to because "which comprising" [lines 1-2] is confusing. Correction is required. See MPEP § 608.01(b).

Claim Objections

Claims 1, 11, 15 are objected to because of the following informalities: as per claims 1 and 11, what is meant by "the non-loop process of the loop process" [line 18 and line 19, respectively] is not clear, perhaps the antecedent basis of this feature needs to be clarified; and as per claim 15, what is meant by "a non-loop process of a loop process" [lines 6-7] and "the non-loop process" [line 7] is not clear, perhaps the antecedent basis of the "non-loop process" feature needs to be clarified. Appropriate correction is required.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 12 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. In order for algorithms to be patentable, they must achieve a practical application and be encoded on a computer readable medium. Considering the latter, language, such as --comprising a computer readable medium--or similar, must be inserted after "program" [line 1] to clarify the statutory subject matter.

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Allowable Subject Matter

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Claims 1-11, 14-15 are allowed over the prior art of record. Claim 13 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the prior art of record does not disclose, teach, or suggest the behavioral synthesis system, the behavioral synthesis method, or logic circuit as recited in the claims as best interpreted in view of the objections made above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leigh Marie Garbowski whose telephone number is 571-272-1893 and e-mail is Leigh.Garbowski@uspto.gov. The examiner can normally be reached on days.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on 571-272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LEIGH M. GARBOWSKI PRIMARY EXAMINER